



Janet Napolitano
Governor

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

1110 West Washington Street • Phoenix, Arizona 85007
(602) 771-2300 • www.azdeq.gov



Stephen A. Owens
Director

Mr. Peter Kozelka
U.S. EPA Region IX, WTR-2
75 Hawthorne Street
San Francisco, CA 94104

Re: 104(b)(3) Queen Creek Copper TMDL
EPA Grant No. CP-96941601-0

Dear Mr. Kozelka:

The Arizona Department of Environmental Quality (ADEQ) requests your approval of both a time extension and a budget revision on the above referenced grant.

The following rebudget is necessary because the modeling of the project is being done by in-house staff rather than using a contractor as originally planned.

Line Item	Current Budget	Revision	New Budget
Personnel		50,152	50,152
Fringe Benefits		16,550	16,550
Supplies	11,700	150	11,850
Contracts	130,150	(100,150)	30,000
Indirect		33,298	33,298
Total	\$141,850	-\$0-	\$141,850

In addition, please extend the budget and project period end dates for this grant as follows:

Current: July 1, 2005 to June 30, 2007
Revised: July 1, 2005 to June 30, 2008

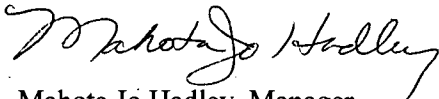
Northern Regional Office
1801 W. Route 66 • Suite 117 • Flagstaff, AZ 86001
(928) 779-0313

Southern Regional Office
400 West Congress Street • Suite 433 • Tucson, AZ 85701
(520) 628-6733

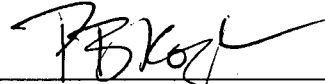
Attached is a revised workplan, with new estimated completion dates. Please indicate your written approval on the line below and return to me as soon as possible.

If you have any questions, please contact me at (602) 771-4602. My FAX number is (602) 771-4528.

Sincerely,



Mahota Jo Hadley, Manager
Planning Unit
Water Quality Division



4/30/2007

APPROVAL
Peter Kozelka, Project Officer

cc: Joan Card, WQD
Chris Varga, WQD
Carol Aby, WQD
Trudy Kluth, ASD
Darlene Fernandez, Region IX

FY08 WORKPLAN

GOAL #1: Clean & Safe Water Program #4500: Surface Water Regulation Objective #3: Reduce pollutant loading to surface water.			
TASK/ GRANT	OUTPUT DESCRIPTION	EVALUATION, DATE OR QUANTITY T=TARGET A=ACTUAL	RESPONSIBLE SECTION/ STAFF
1.3.9	TASK: TMDL Analyses Oversee Total Maximum Daily load (TMDL) efforts and conduct TMDLs and related analyses. DELIVERABLES:		
NPS VIII/ NPS IX	1) TMDL projects in modeling phase a) Pinto Creek – headwaters to Ripper Spring (Cu); and Pinto Creek - Ripper Spring to Roosevelt Lake (Cu) i) Submit TMDL report to EPA for approval b) Mule Gulch – headwaters to Above Lavendar Pit (Cd, Cu, pH, Zn); and Mule Gulch - Above Lavendar Pit to WWTP Bisbee (Cu, Cd, pH, Zn); and Mule Gulch - WWTP Bisbee to Highway 80 Bridge (Cu, Cd, pH, Zn) i) Collect background samples ii) Propose site specific standard iii) Complete TMDL modeling based on site specific standard	T = i) 12/07 i) thru summer 07 ii) 12/07 iii) 06/08	Surface Water
Queen Creek Lake Mary	2) 104(b)3 Grants a) Queen Creek headwaters to Superior WWTP (Cu) and Superior WWTP to Potts Canyon (Cu) i) Submit TMDL to EPA for approval b) Lake Mary Regional TMDL (Hg) i) Submit TMDL to EPA for approval. c) Alamo Lake TMDL (Hg) i) Revise TMDL to include Phelps Dodge WLA ii) Open public comment period iii) Resubmit TMDL to EPA for approval (FY03-04 Mercury TMDL grant closed)	T = ai) 10/07 bi) 10/07 ci) 12/06 cii) 6/07 ciii) 9/07	Surface Water

FY08 WORKPLAN

GOAL #1: Clean & Safe Water		Program #4500: Surface Water Regulation	
Objective #3: Reduce pollutant loading to surface water.			
TASK/ GRANT	OUTPUT DESCRIPTION	EVALUATION, DATE OR QUANTITY T=TARGET A=ACTUAL	RESPONSIBLE SECTION/ STAFF
1.3.9	TASK: TMDL Analyses (Cont'd) DELIVERABLES:		
NPS VIII	3) TMDL projects in monitoring phase a) Oak Creek – Headwaters to Spring Creek (E. coli) i) Continue sampling through summer 07 ii) Submit TMDL report to EPA for approval b) Parker Canyon Lake (Hg) i) Continue sampling through summer 07 ii) Submit TMDL report to EPA for approval iii) Continue sampling throughout fiscal year c) Gila River – Bonita Creek to Yuma Wash (E. coli) i) Continue sampling throughout fiscal year d) Gila River – Skully Creek to San Francisco River (Se) i) Continue sampling throughout fiscal year e) Lyman Lake (Hg) i) Continue sampling throughout fiscal year f) Watson lake (nitrogen, low DO, high pH) i) Continue sampling throughout fiscal year g) Crescent Lake (high pH) i) Continue sampling throughout fiscal year h) Little Colorado River – Silver Creek to Carr Wash (E. coli) i) Continue sampling throughout fiscal year i) Little Colorado River – Porter Tank to McDonalds Wash (Cu, Ag, SSC) i) Continue sampling throughout fiscal year j) San Pedro – Aravaipa Creek to Gila River (E. coli, Se) i) Continue sampling throughout fiscal year k) Santa Cruz River – Mexico Border to Nogales (E. coli) i) Continue sampling throughout fiscal year l) East Verde River – American Gulch to Verde River (As, B) i) Continue sampling throughout fiscal year	T = i) 9/07 ii) 6/08 i) 9/07 ii) 6/08 i) Ongoing i) Ongoing i) Ongoing i) Ongoing i) Ongoing i) Ongoing i) Ongoing i) ongoing i) Ongoing i) Ongoing i) Ongoing	Surface Water

FY08 WORKPLAN

GOAL #1: Clean & Safe Water Program #4500: Surface Water Regulation Objective #3: Reduce pollutant loading to surface water.			
TASK/ GRANT	OUTPUT DESCRIPTION	EVALUATION, DATE OR QUANTITY T=TARGET A=ACTUAL	RESPONSIBLE SECTION/ STAFF
1.3.9	TASK: TMDL Analyses (Cont'd) DELIVERABLES:		
PPG	4) Pre-TMDL activities for: a) Gila River – Centennial Wash to Gillespie Dam (B, Se) i) Develop SAP ii) Initiate sampling b) Mineral Creek – Devils Canyon to Gila River (Se, Low DO) i) Develop SAP ii) Initiate sampling c) Gila River – New Mexico border to Bitter Creek (E. coli, SSC) i) Develop SAP ii) Initiate sampling d) Alvord Park Lake (Ammonia) i) Develop SAP ii) Initiate sampling e) Chaparral Lake (low DO, E. coli) i) Develop SAP ii) Initiate sampling f) Cortex Park Lake (low DO and high pH) i) Develop SAP ii) Initiate sampling	T = i) 12/07 ii) throughout FY i) 10/07 ii) throughout FY i) 10/07 ii) throughout FY i) 12/07 ii) throughout FY i) 2/08 ii) throughout FY i) 2/08 ii) throughout FY	Surface Water
NPS IX	5) Long-term TMDL projects a) Verde River – headwaters to Horseshoe Reservoir (N,P) i) Implementation workplan b) Gila pesticide investigation – numerous segments (numerous parameters) i) Develop SAP ii) Initiate sampling c) Mercury – Air equipment monitoring support i) Maintain Sycamore Canyon MDN site ii) Coordinate with EPA deployment of EPA's mobile TEKRAN unit across state	T = i) throughout FY i) 12/07 ii) 2/08 i) throughout FY ii) as available	Surface Water

FY08 WORKPLAN

GOAL #1: Clean & Safe Water Objective #3: Reduce pollutant loading to surface water.			
Program #4500: Surface Water Regulation			
TASK/ GRANT	OUTPUT DESCRIPTION	EVALUATION, DATE OR QUANTITY T=TARGET A=ACTUAL	RESPONSIBLE SECTION/ STAFF
1.3.9	TASK: TMDL Analyses (Cont'd) DELIVERABLES:		
PPG	6) Targeted monitoring activities a) Lynx Creek area i) Sample collection to support USFS and EPA remediation activities b) Sonoita Creek – 750 ft. below Patagonia WWTP to Santa Cruz River (Zn, low DO) i) Targeted sampling to determine if impairment results solely from Alum Gulch input c) Cave Creek – headwaters to South Fork Cave Creek (Se) i) Collect samples to support future delisting	T = i) throughout FY i) throughout FY i) throughout FY	Surface Water
	7) Hold teleconferences with EPA Region IX TMDL staff.	T = Monthly	Surface Water
	8) Continue coordination with Federal land management agencies on 303(d) listed waters.	T = Ongoing	Surface Water
	9) Continue coordinating implementation efforts on impaired waters with TMDL implementation plans.	T = ongoing	Surface Water
	10) Attend Watershed Group meetings.	T = ongoing	Surface Water

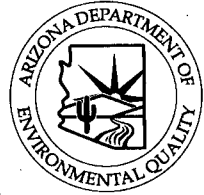
FTE FUNDING SOURCE	MONTHS	AMOUNT
ST NPS IX	22.30	85,753
WQARF NPS VIII	9.00	30,375
QUEEN CREEK TMDL	4.00	15,533
PPG	26.00	91,134
NPS VIII	19.00	67,742
NPS IX	27.00	99,800
TOTAL	107.30	390,337



Janet Napolitano
Governor

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

1110 West Washington Street • Phoenix, Arizona 85007
(602) 771-2300 • www.azdeq.gov



Stephen A. Owens
Director

Mr. Peter Kozelka
U.S. EPA Region IX, WTR-2
75 Hawthorne Street
San Francisco, CA 94105

RE: 104(b)(3) Lake Mary Region Mercury TMDL
EPA Grant No. CP-97995301-2
ADEQ Grant No. 001610-05

Dear Mr. Kozelka:

The Arizona Department of Environmental Quality (ADEQ) requests your approval of a proposed time extension for the above-referenced grant. The time extension is needed due to lack of rain. Attached is a revised workplan, with new estimated completion dates.

Please extend the budget and project period end dates for this grant as follows:

Current:	July 1, 2004 to June 30, 2007
Revised:	July 1, 2004 to June 30, 2008

If you have any questions, please contact me at (602) 771-4602. My FAX number is (602) 771-4528.

Sincerely,

Mahota Jo Hadley, Manager
Planning Unit
Water Quality Division

cc: Joan Card, WQD
Chris Varga, WQD
Carol Aby, WQD
Trudy Kluth, ASD
Darlene Fernandez, Region IX

approved
P. Blag
4/30/2007

Northern Regional Office
1801 W. Route 66 • Suite 117 • Flagstaff, AZ 86001
(928) 779-0313

Southern Regional Office
400 West Congress Street • Suite 433 • Tucson, AZ 85701
(520) 628-6733

FY08 WORKPLAN

GOAL #1: Clean & Safe Water		Program #4500: Surface Water Regulation	
Objective #3: Reduce pollutant loading to surface water.			
TASK/ GRANT	OUTPUT DESCRIPTION	EVALUATION, DATE OR QUANTITY T=TARGET A=ACTUAL	RESPONSIBLE SECTION/ STAFF
1.3.9	TASK: TMDL Analyses Oversee Total Maximum Daily load (TMDL) efforts and conduct TMDLs and related analyses. DELIVERABLES:		
NPS VIII/ NPS IX	1) TMDL projects in modeling phase a) Pinto Creek – headwaters to Ripper Spring (Cu); and Pinto Creek - Ripper Spring to Roosevelt Lake (Cu) i) Submit TMDL report to EPA for approval b) Mule Gulch – headwaters to Above Lavendar Pit (Cd, Cu, pH, Zn); and Mule Gulch - Above Lavendar Pit to WWTP Bisbee (Cu, Cd, pH, Zn); and Mule Gulch - WWTP Bisbee to Highway 80 Bridge (Cu, Cd, pH, Zn) i) Collect background samples ii) Propose site specific standard iii) Complete TMDL modeling based on site specific standard	T = i) 12/07 i) thru summer 07 ii) 12/07 iii) 06/08	Surface Water
Queen Creek Lake Mary	2) 104(b)(3) Grants a) Queen Creek headwaters to Superior WWTP (Cu) and Superior WWTP to Potts Canyon (Cu) i) Submit TMDL to EPA for approval b) Lake Mary Regional TMDL (Hg) i) Submit TMDL to EPA for approval. c) Alamo Lake TMDL (Hg) i) Revise TMDL to include Phelps Dodge WLA ii) Open public comment period iii) Resubmit TMDL to EPA for approval (FY03-04 Mercury TMDL grant closed)	T = ai) 10/07 bi) 10/07 ci) 12/06 cii) 6/07 ciii) 9/07	Surface Water

FY08 WORKPLAN

GOAL #1: Clean & Safe Water		Program #4500: Surface Water Regulation	
Objective #3: Reduce pollutant loading to surface water.			
TASK/ GRANT	OUTPUT DESCRIPTION	EVALUATION, DATE OR QUANTITY T=TARGET A=ACTUAL	RESPONSIBLE SECTION/ STAFF
1.3.9	TASK: TMDL Analyses (Cont'd) DELIVERABLES:		
NPS VIII	3) TMDL projects in monitoring phase a) Oak Creek – Headwaters to Spring Creek (E. coli) i) Continue sampling through summer 07 ii) Submit TMDL report to EPA for approval b) Parker Canyon Lake (Hg) i) Continue sampling through summer 07 ii) Submit TMDL report to EPA for approval iii) Continue sampling throughout fiscal year c) Gila River – Bonita Creek to Yuma Wash (E. coli) i) Continue sampling throughout fiscal year d) Gila River – Skully Creek to San Francisco River (Se) i) Continue sampling throughout fiscal year e) Lyman Lake (Hg) i) Continue sampling throughout fiscal year f) Watson lake (nitrogen, low DO, high pH) i) Continue sampling throughout fiscal year g) Crescent Lake (high pH) i) Continue sampling throughout fiscal year h) Little Colorado River – Silver Creek to Carr Wash (E. coli) i) Continue sampling throughout fiscal year i) Little Colorado River – Porter Tank to McDonalds Wash (Cu, Ag, SSC) i) Continue sampling throughout fiscal year j) San Pedro – Aravaipa Creek to Gila River (E. coli, Se) i) Continue sampling throughout fiscal year k) Santa Cruz River – Mexico Border to Nogales (E. coli) i) Continue sampling throughout fiscal year l) East Verde River – American Gulch to Verde River (As, B) i) Continue sampling throughout fiscal year	T = i) 9/07 ii) 6/08 i) 9/07 ii) 6/08 i) Ongoing i) Ongoing i) Ongoing i) Ongoing i) Ongoing i) Ongoing i) Ongoing i) ongoing i) Ongoing i) Ongoing i) Ongoing	Surface Water

FY08 WORKPLAN

GOAL #1: Clean & Safe Water Program #4500: Surface Water Regulation Objective #3: Reduce pollutant loading to surface water.			
TASK/ GRANT	OUTPUT DESCRIPTION	EVALUATION, DATE OR QUANTITY T=TARGET A=ACTUAL	RESPONSIBLE SECTION/ STAFF
1.3.9	TASK: TMDL Analyses (Cont'd) DELIVERABLES:		
PPG	4) Pre-TMDL activities for: a) Gila River – Centennial Wash to Gillespie Dam (B, Se) i) Develop SAP ii) Initiate sampling b) Mineral Creek – Devils Canyon to Gila River (Se, Low DO) i) Develop SAP ii) Initiate sampling c) Gila River – New Mexico border to Bitter Creek (E. coli, SSC) i) Develop SAP ii) Initiate sampling d) Alvord Park Lake (Ammonia) i) Develop SAP ii) Initiate sampling e) Chaparral Lake (low DO, E. coli) i) Develop SAP ii) Initiate sampling f) Cortex Park Lake (low DO and high pH) i) Develop SAP ii) Initiate sampling	T = i) 12/07 ii) throughout FY i) 10/07 ii) throughout FY i) 10/07 ii) throughout FY i) 12/07 ii) throughout FY i) 2/08 ii) throughout FY i) 2/08 ii) throughout FY	Surface Water
NPS IX	5) Long-term TMDL projects a) Verde River – headwaters to Horseshoe Reservoir (N,P) i) Implementation workplan b) Gila pesticide investigation – numerous segments (numerous parameters) i) Develop SAP ii) Initiate sampling c) Mercury – Air equipment monitoring support i) Maintain Sycamore Canyon MDN site ii) Coordinate with EPA deployment of EPA's mobile TEKRAN unit across state	T = i) throughout FY i) 12/07 ii) 2/08 i) throughout FY ii) as available	Surface Water

FY08 WORKPLAN

GOAL #1: Clean & Safe Water Program #4500: Surface Water Regulation Objective #3: Reduce pollutant loading to surface water.			
TASK/ GRANT	OUTPUT DESCRIPTION	EVALUATION, DATE OR QUANTITY T=TARGET A=ACTUAL	RESPONSIBLE SECTION/ STAFF
1.3.9	TASK: TMDL Analyses (Cont'd) DELIVERABLES:		
PPG	6) Targeted monitoring activities a) Lynx Creek area i) Sample collection to support USFS and EPA remediation activities b) Sonoita Creek – 750 ft. below Patagonia WWTP to Santa Cruz River (Zn, low DO) i) Targeted sampling to determine if impairment results solely from Alum Gulch input c) Cave Creek – headwaters to South Fork Cave Creek (Se) i) Collect samples to support future delisting	T = i) throughout FY i) throughout FY i) throughout FY	Surface Water
	7) Hold teleconferences with EPA Region IX TMDL staff.	T = Monthly	Surface Water
	8) Continue coordination with Federal land management agencies on 303(d) listed waters.	T = Ongoing	Surface Water
	9) Continue coordinating implementation efforts on impaired waters with TMDL implementation plans.	T = ongoing	Surface Water
	10) Attend Watershed Group meetings.	T = ongoing	Surface Water

FTE FUNDING SOURCE	MONTHS	AMOUNT
ST NPS IX	22.30	85,753
WQARF NPS VIII	9.00	30,375
QUEEN CREEK TMDL	4.00	15,533
PPG	26.00	91,134
NPS VIII	19.00	67,742
NPS IX	27.00	99,800
TOTAL	107.30	390,337